Enviro Chemicals
Cleaning Supplies Pty Ltd
"Products that don't cost the Earth"

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ENVIRO CHEMICALS AUSTRALIA PTY LTD
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POWERKLEAN

Concrete & Tiled Floors

POWERKLEAN is a super strength very powerful solution, especially to remove Grey & grimy buildup, oil and tyre marks from tiles and concrete floors.

POWERKLEAN has been use as a H/D floor cleaner in kitchens.

POWERKLEAN is an excellent product for cleaning oil and tyre marks in garages And carparks.

HOW DOES IT WORK? HOW TO USE ?

WHERE TO USE

Floors as quarry, ceramic tiles, terrazzo, concrete, ect ., greasy surfaces, carbon based like as soot, factories and industrial workshops, kitchens, tar, grease, grease & grime to remove road film.

HOW TO USE

Heavy duty: 1 part POWERKLEAN 10 parts water. (floors: quarry, ceramic tiles, concrete in food processing and automotive industry).
Apply by mop. Scrub with rotary machine or with scourer and mop up.

Auto Scrubber: 1 part POWERKLEAN 100 to 150 parts water.
Use hot or cold water to dilute if scrubbing.

You don't have to settle for second best to save money when cleaning.
Step-up to the new level in Floor Cleaning Detergents.

Use Enviro Chemicals and you will never settle for second best again.

We trust this product will be of interest to you and for more info visit our Web site.
Please do not hesitate to contact us if we can be of further assistance.

SAFETY DATA SHEET

1. PRODUCT & COMPANY IDENTIFICATION

Product Name: Powerklean

Uses: Cleaner for ceramic tiles, quarry pavers and concrete floors.

COMPANY DETAILS :

Company: Enviro Chemicals (Aust.) Pty Ltd.
(A.C.N : 094087493)

Address: 740-744 Woodville Road Fairfield East NSW 2165.

Emergency PH: (02) 9755 2012 **(Business hour)** or

Poisons Information Centre Telephone: 13 11 26

2. HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE
THIS PRODUCT IS CLASSIFIED AS: XN, HARMFUL. N, DANGEROUS TO THE ENVIRONMENT. C, CORROSIVE. HAZARDOUS ACCORDING TO THE CRITERIA OF SWA. DANGEROUS ACCORDING TO THE AUSTRALIAN DANGEROUS GOODS (ADG) CODE.
RISK PHRASES: R22, R35, R52. HARMFUL IF SWALLOWED. CAUSES SEVERE BURNS. HARMFUL TO AQUATIC ORGANISMS.
SAFETY PHRASES: S20, S23, S26, S28, S46, S61, S24/25, S36/37/39. WHEN USING, DO NOT EAT OR DRINK. DO NOT BREATHE MISTS OR SPRAY. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND CONTACT A DOCTOR OR POISONS INFORMATION CENTRE. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. IF SWALLOWED, CONTACT A DOCTOR OR POISONS INFORMATION CENTRE IMMEDIATELY AND SHOW THIS MSDS OR LABEL. AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS. AVOID CONTACT WITH SKIN AND EYES. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

SUSMP CLASSIFICATION: S6
ADG CLASSIFICATION: CLASS 8: CORROSIVE SUBSTANCES.
UN NUMBER: 1719, CAUSTIC ALKALI LIQUID, N.O.S.

GHS SIGNAL WORD: DANGER

HAZARD STATEMENT:
H290: CORROSIVE TO METALS.
H302: HARMFUL IF SWALLOWED.
H314: CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
H402: HARMFUL TO AQUATIC LIFE.

PREVENTION
P102: KEEP OUT OF REACH OF CHILDREN.
P260: DO NOT BREATHE FUMES, MISTS, VAPOURS OR SPRAY.
P264: WASH CONTACTED AREAS THOROUGHLY AFTER HANDLING.
P270: DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT.
P280: WEAR PROTECTIVE GLOVES, PROTECTIVE CLOTHING AND EYE OR FACE PROTECTION.

RESPONSE
P310: IMMEDIATELY CALL A POISON CENTRE OR DOCTOR/PHYSICIAN.
P330: RINSE MOUTH.
P363: WASH CONTAMINATED CLOTHING BEFORE REUSE.
P301+P312: IF SWALLOWED: CALL A POISON CENTRE OR DOCTOR IF YOU FEEL UNWELL.
P303+P361+P351: IF ON SKIN (OR HAIR): REMOVE IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES.
P304+P340: IF INHALED: REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING.
P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P332+P313: IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE.
P337+P313: IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE.
P391: COLLECT SPILLAGE.
P370+P378: NOT COMBUSTIBLE. USE EXTINGUISHING MEDIA SUITED TO BURNING MATERIALS. WATER FOG OR FINE SPRAY IS THE PREFERRED MEDIUM FOR LARGE FIRES.

STORAGE
P402+P404: STORE IN A DRY PLACE. STORE IN A CLOSED CONTAINER.
P403+P235: STORE IN A WELL-VENTILATED PLACE. KEEP COOL.

DISPOSAL
P501: DISPOSE OF SMALL QUANTITIES AND EMPTY CONTAINERS BY WRAPPING WITH PAPER AND PUTTING IN GARBAGE. FOR LARGER QUANTITIES, IF RECYCLING OR RECLAIMING IS NOT POSSIBLE, USE A COMMERCIAL WASTE DISPOSAL SERVICE.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity Potassium Hydroxide		Percentage < 20	CAS No. 1310-58-3
Sodium Hydroxide Sequestering Agent		< 10 > 5	6834-92-0 Non Hazardous
Surfactant		< 5	Non Hazardous
Water		> 40	7732-18-5

4. FIRST AID MEASURES

Swallowed: Drink 1 or 2 glasses of water. Do Not induce vomiting. NEVER give anything by mouth to an unconscious person. If symptoms persist seek medical advice.

Eye Exposure: Immediately flush eyes with plenty of water holding eyelids open. If eye irritation persists, seek medical advice.

Skin Exposure: Wash of with water. If skin irritation persists seek medical advice.

Inhalation: Remove victim from exposure to fresh air. If feeling unwell seek medical advice.

Advice to Doctor Treat symptomatically based on individual reactions of patient and judgement of doctor.

5. FIRE FIGHTING MEASURES

Hazchem Code: 2R

Extinguishing Media
In case of fire, use appropriate media for surrounding fire.

Product is water based and is unlikely to play a contributing role in any fire. Heated product may splatter.

Special protective precautions and equipment for fire fighters
Fire fighters should wear self contained breathing apparatus and full protective clothing along with protective equipment.

Hazards from Combustion Products
No data available.

Flammability Conditions
Product is not flammable.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

USE PERSONAL PROTECTIVE EQUIPMENT INCLUDING IMPERVIOUS GLOVES AND EYE PROTECTION. SPILT MATERIAL CREATES SLIPPERY CONDITIONS.

ENVIRONMENTAL PRECAUTIONS:

CAUTION: KEEP SPILLS AND CLEANING RUNOFF OUT OF DRAINS AND OPEN BODIES OF WATER.

METHODS & MATERIALS FOR CONTAINMENT & CLEAN UP:

CONTAIN SPILLS IMMEDIATELY WITH INERT ABSORBENT MATERIALS (E.G. SAND, EARTH).

TRANSFER LIQUIDS AND USED ABSORBENT MATERIAL TO SEPARATE SUITABLE CONTAINERS FOR RECOVERY OR DISPOSAL.

7. HANDLING & STORAGE

Handling:

Avoid contact with eyes and skin.

Ensure eyewash and safety shower are available and ready for use.

Conditions for safe storage

Store in a cool, dry, well-ventilated area.

Keep container tightly closed when not in use. Do not store next to strong oxidizing agents or strong acids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s): Not established for this product
For Potassium Hydroxide TLV = 2mg/m3 – Ceiling Value

Eye protection: Wear safety glasses. Eye protection should conform to Australian/New Zealand Standards AS/NZS 1337 – Eye Protection For Industrial Applications.

Hand protection: Wear impervious gloves.
Engineering measures: Use only in well ventilated area.
Biological Limit Values: Not available

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Purplish
Odour:	eucalyptus
pH:	Approximately 14
Boiling point/range:	Above 110 deg C
Melting point/range:	Not determined
Flash point:	Non combustible
Lower explosion limit:	Not applicable
Upper explosion limit:	Not applicable
Vapour pressure:	Not established
Relative vapour density:	Not established
Water solubility:	Miscible with water at all proportions
Relative density:	1.20
Viscosity, dynamic:	Not applicable
Evaporation rate:	Not established
Percent volatility:	Not determined

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY & REACTIVITY

HAZARDOUS REACTIONS: PRODUCT IS STABLE UNDER NORMAL CONDITIONS OF USE, STORAGE AND TEMPERATURE. DO NOT STORE IN METAL CONTAINERS ESPECIALLY ALUMINIUM.

MATERIALS TO AVOID: AVOID CONTACT WITH STRONG ACIDS AND STRONG OXIDISING AGENTS.DO NOT CONTACT WITH ALUMINIUM. OTHER METALS TO AVOID ARE TIN AND ZINC. INCOMPATIBLE WITH PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE AND FLUORINE.

POLYMERIZATION: PRODUCT WILL NOT UNDERGO DANGEROUS POLYMERIZATION.

11. TOXICOLOGICAL INFORMATION

No data is available for this material

Toxicity Data: For Potassium Hydroxide

Oral Rat LD50: 273mk/kg. Corrosive agent: Inhalation, the skin, the eyes and swallowed.
Degree of Acute Toxicity: If swallowed, it is poisonous.

Health Effects – Acute

Swallowed

If swallowed product will cause severe pain in the oral cavity and the oesophageus, vomiting and diarrhoea. The vomit will contain blood and substances from the insides of a mucous membrane. If patient does not die within 24 hours, he/she will recover for 2 – 4 days, then suffer from sudden pains, abnormal tetany of stomach and rapid fall of blood pressure indicating oesophagus perforation. In case of Esophagostenosis, its early symptoms appear within a few weeks but may appear a few years later.

Eye

Product will cause conjunctival oedema and corneal destruction. Causes burns and severe eye damage.

Skin

Product causes severe burns to skin.

Inhaled

Inhalation of mist causes burns to the respiratory tracts. In case of severe exposure, pneumonia, circulatory disturbance and peritonitis may arise.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence and degradability: No information available for this product.

Mobility: No information available on this product.

Additional information

Environmental fate (exposure): Avoid contaminating waterways, drains and sewers.

Bioaccumulative potential: No information available for this product.

13. DISPOSAL CONSIDERATIONS

Environmental precautions:

CAUTION:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal:

Dispose of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

Australian Code For Transport of Dangerous Goods by ROAD and RAIL

U.N. Number: 1719

U.N. Proper Shipping Name: CAUSTIC ALKALI LIQUID N.O.S.

Subsidiary Risk: N/A

Packaging Group: III

Hazchem Code: 2R

15. REGULATORY INFORMATION

Label
Classification and labelling have been performed according to regulations.

Poison Schedule S6
EPG : CAUSTIC ALKALI N.O.S.

Australia. Industrial Chemical (Notification and Assessment) Act (AUSTR).
All ingredients in this preparation are listed in the Australian Inventory of Chemical Substances, AICS.

16. OTHER INFORMATION

Date of Preparation: 01/0172023

Key to Abbreviations & Acronyms Used in SDS:

<	Less Than
>	Greater Than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
LC50	LC stands for lethal Concentration. LC50 is the concentration of a material in air which causes death of 50% (one half) of a group of test animals.
LD50	LD stands for "Lethal Dose". LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
NOHSC	National Occupational Health and Safety Commission.
OECD	Organisation for Economic Co-operation and Development.
PEL	Permissible Exposure Limit.
STEL	Short Term Exposure
Limit TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (Number)
deg C (°C)	Degrees
Celsius g	Gram
g/cm3	Grams per cubic
centimetre g/l	Grams per litre
Immiscible	Liquids are insoluble in each other
kg	Kilogram
kg/m3	Kilograms per cubic
metre ltr	Litre
m3	Cubic
metre mg	Milligram
mg/24H	Milligrams per 24 hours
mg/kg	Milligrams per kilogram
mg/m3	Milligrams per cubic metre
miscible	Liquids form one homogeneous liquid
ppm	Parts per million
wt	Weight

Literature References: Supplies SDS

THE INFORMATION PROVIDED IN THIS SAFETY DATA SHEET IS CORRECT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF AT THE DATE OF ITS PUBLICATION.

THE INFORMATION GIVEN IS DESIGNED ONLY AS GUIDANCE FOR SAFE HANDLING, USE, PROCESSING, STORAGE, TRANSPORTATION, DISPOSAL AND RELEASE AND IS NOT TO BE CONSIDERED A WARRANTY OR QUALITY SPECIFICATION.

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END OF SDS